Aug. 2, 1949. W. C. FITT 2,477,923

PICTURE PROJECTOR APPARATUS AND CABINET COMBINATION DEVICE

Filed Feb. 23, 1946 2 Sheets-Sheet 1

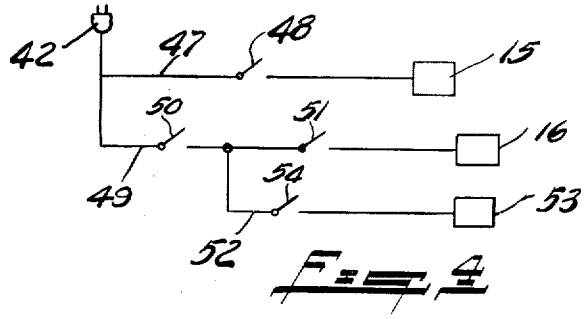


Fig. 4

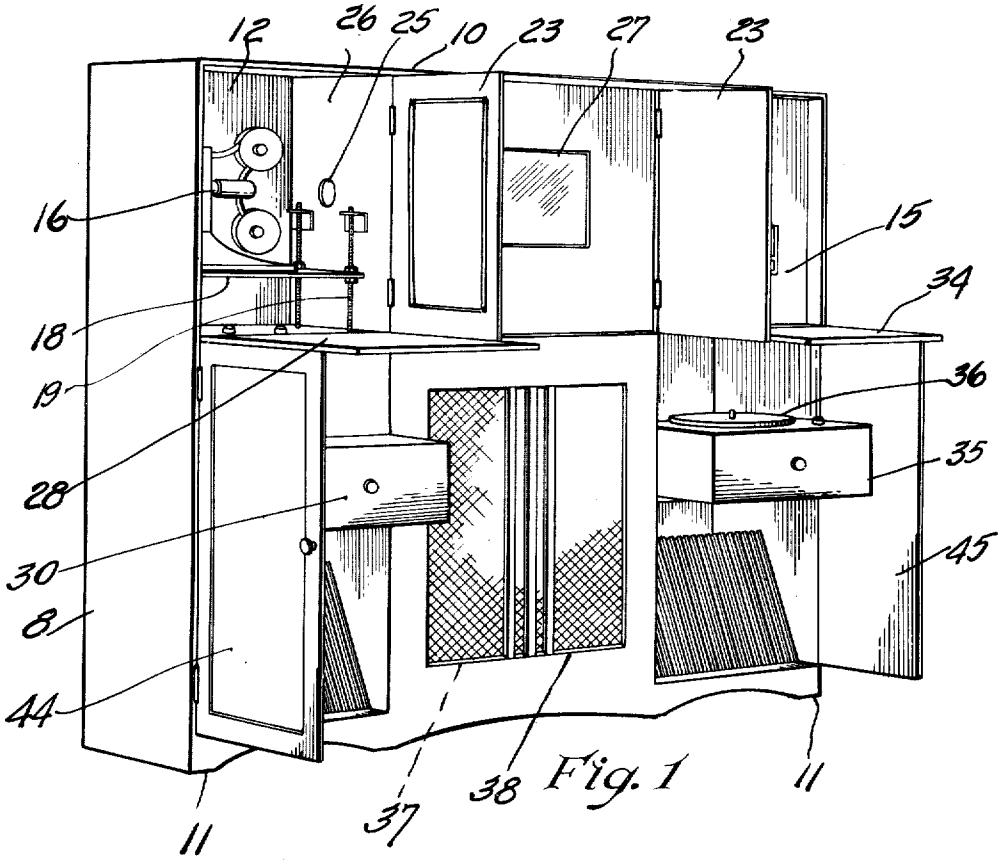


Fig. 1

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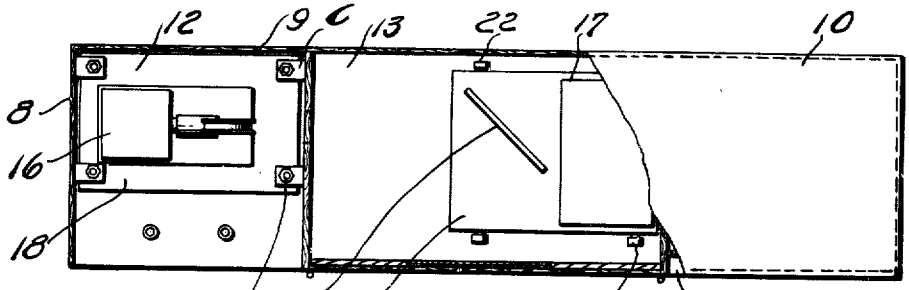


Fig. 2

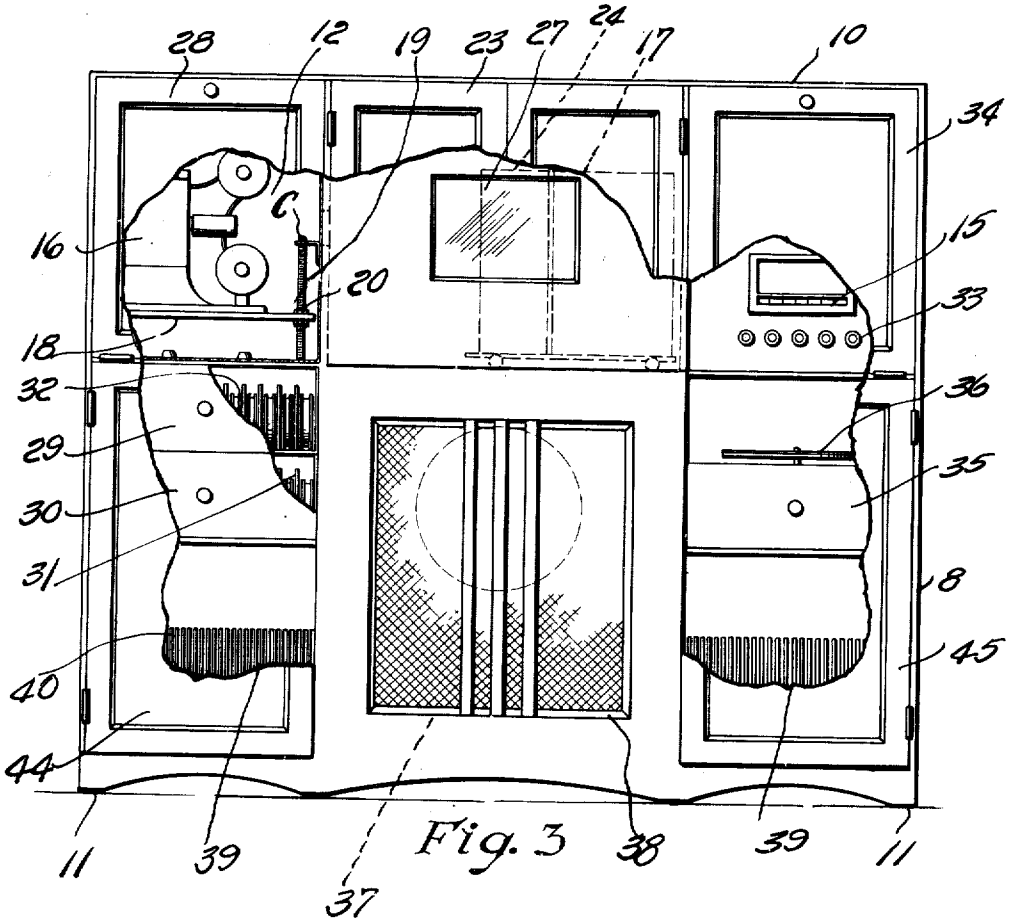


Fig. 3

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UNITED STATES PATENT OFFICE

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PICTURE PROJECTOR APPARATUS AND CABINET COMBINATION DEVICE

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Application February 23, 1946, Serial No. 649,638

2 Claims. (Cl. 88—24)

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This invention relates to cabinets, and more particularly to a combination cabinet combining radio, phonograph, television and home movies, with ample provision for the storage of films and records.

One of the prime objects of the invention is to design a combination cabinet which serves as an attractive piece of furniture, and which is equipped with adjustable platform and partitions on which projectors and similar machines can be mounted.

Another object is to provide a cabinet which neatly and attractively accommodates a radio, movie projector, phonograph, and television set for operation therein, each of which is readily accessible for use and/or adjustment, and also provide ample storage space for films and records, all of which is compactly arranged and concealed from view when the doors are closed.

A further object is to provide means in the cabinet for enlarging the projected images of the films as the film is being run, and also provide means for ventilating the cabinet to prevent overheating of projectors and other equipment housed therein.

With the above and other objects in view, the present invention consists in the combination and arrangement of parts, hereinafter more fully described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claims, it being understood that changes may be made in the form, size, proportions, and minor details of construction, without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings:

Fig. 1 is an isometric view of the cabinet showing the doors in open position and the phonograph drawer pulled out.

Fig. 2 is a top, plan, part-sectional view.

Fig. 3 is a front-elevational view, parts being broken away to show the interior.

Fig. 4 is a wiring diagram.

Referring now more particularly to the drawings in which I have shown the preferred embodiment of my invention, the cabinet proper comprises side, back, and top walls 8, 9, and 10 respectively, supported on legs 11 which form a part of the structure, the interior of the cabinet being divided into individual compartments 12, 13, and 14 in which a radio 15, projector 16, and television set 17 are housed.

The compartment 12 is formed as clearly shown in Figs. 1 and 2 of the drawings, a platform 18 being adjustably mounted therein, and this platform is supported on vertically disposed threaded members 19 extending through clips "C" provided on the side wall of the compartment and has lock nuts 20 threaded thereon so that the platform may be vertically adjusted.

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The projector 16 is mounted on the platform 18 and can be swung to face outwardly or across the width of the cabinet if desired.

A television set 17 is mounted in the center compartment 13 and this set is mounted on a movable platform 21 which is provided with rollers 22 to permit it to be shifted sideways when the movie projector set is being used, and as clearly shown in Figs. 2 and 3 of the drawings, doors 23 covering the face of this compartment when the television set or projector is not in use.

A mirror 24 is mounted in the compartment 14 and is disposed at an angle of forty-five degrees with relation to the face of the cabinet, an opening 25 being provided in the partition 26 to permit the projected image to reflect onto the mirror, and thence onto a frosted glass screen 27 provided in the front wall of the compartment 13.

A bottom hinged door 28 is provided and serves as a closure for the compartment 12, and drawers 29 and 30 are provided below said compartment, partitions 31 being provided in these drawers and in which rolls of films 32 are accommodated.

A radio 15 is mounted in the radio compartment 14 and is provided with dials 33 as usual, for proper regulation thereof, and a bottom hinged door 34 forms a closure for this compartment.

A movable drawer 35 is provided directly below the compartment 12 and a turntable 36 is mounted therein, suitable phonograph mechanism (not shown) being provided for driving said turntable, and this is preferably synchronized with the radio.

The lower center compartment 37 contains the radio loud speaker (not shown), the openings 38 being covered with a grille as is usual with conventional radio cabinets.

Record compartments 39 are provided on the opposite sides of the loud speaker and are provided with wire spacers 40 for storing phonograph records.

The cabinet is suitably wired for furnishing electrical current to the various units, and a switch plug 42 is provided for controlling the current to the projector, radio, and television sets.

The manner of forming the film and/or record compartment is immaterial, and doors 44 and 45 are provided as shown and form a closure for these compartments.

The housing of these various instruments in one attractive cabinet is both convenient and

space conserving, the reflecting mirror 24 serving both the projector and the television set and the films and records are attractively and conveniently arranged.

The plug 42 is connected to a light socket (not shown) in the usual manner, the line 47 leading to the radio 15, and a switch 48 is provided in said line. The line 49 leads to the projector 16 and switches 50 and 51 are provided as shown, a suitable line 52 leading to the phonograph attachment 53 and a similar switch 54 is interposed in said line.

Switch 50 is used for synchronizing the movies and the phonograph, and when switch 50 is open, switches 51 and 54 can be closed until the projector and phonograph are ready to operate, then by closing switch 50, the phonograph and projector are started simultaneously. Switch 50 can be left closed for operation of the movie or phonograph separately if desired.

From the foregoing description, it will be obvious that I have perfected a very practical, convenient, economical and attractive cabinet for the purpose described.

What I claim is:

1. In a combination cabinet having a plurality of compartments therein, a projector, a television set and radio mounted in the respective compartments, a shiftable platform in the television set compartment, and on which the television set is mounted, a reflector on said platform, a window in the end wall of the television set compartment to permit images from the projector to be reflected on said reflector, drawers and record racks below said compartments, a frosted glass screen in the front wall of the television set compartment, said reflector and television set being shiftable in said television compartment and shiftable into and out of operative position relative to the screen to receive the projected images from either the projector or television set respectively.

2. The combination as defined in claim 1 which includes means supporting the projector for vertical adjustment and to align it with the window in the television set compartment.

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